

Serial No. 09/664,479
Art Unit No. 2684

LISTING OF CLAIMS

1. (previously presented) A network node device for dynamically and selectively connecting one or more telephone wirelines to one or more wireless connections, the network node device comprising:

one or more connections to one or more telephone wirelines;

one or more wireless signal generators supporting one or more wireless connections to one or more wireless devices;

at least one storage location for storing unique information, comprising at least unique service information, specific to each of a plurality of wireless devices;

a processor for accessing said at least one storage location and for generating call processing signals based on said stored unique information;

Serial No. 09/664,479
Art Unit No. 2684

an interconnection switch that makes and breaks one or more interconnections between the telephone wirelines and the respective wireless signal generators to connect multiple incoming calls for the same single telephone number arriving on said telephone wirelines to more than one of the plurality of wireless devices sharing that single telephone number in response to said call processing signals generated by said processor; and

a bridge that dynamically bridges signals from multiple wireless connections for outgoing calls from more than one of said plurality of wireless devices sharing the single telephone number to one or more of the telephone wirelines in response to said call processing signals generated by said processor based on stored unique information.

2. (original) The network node device of Claim 1 further comprising a verifier that verifies the validity of a request from a wireless device through a wireless connection for the bridging of signals.

Serial No. 09/664,479

Art Unit No. 2684

3. (withdrawn) A method of a network node device of establishing call privacy for a wireless device connected to the network node device comprising the steps of :

receiving a request for privacy from a wireless device;

storing the request for privacy in a memory of the network node device as a stored privacy request;

using the stored privacy request as part of establishing eligibility of a request by one or more wireless devices to join an in-progress call; and

denying eligibility of the request to join an in progress call if privacy had been requested for the in-progress call.

4. (withdrawn) The method of claim 3 where the network node device further comprises the step of:

establishing eligibility of the wireless device to request privacy.

Serial No. 09/664,479
Art Unit No. 2684

5. (withdrawn) The method of claim 3 where the establishing call privacy made during a call in progress further comprises the step of:

dropping the connection to other wireless devices connected to the call in progress.

6. (withdrawn) A storage medium containing a computer program to direct a network node device to perform the following program steps:

receiving a request for privacy from a wireless device;

storing the request for privacy in a memory of the network node device as a stored privacy request;

using the stored privacy request as part of establishing eligibility of a request by one or more wireless devices to join an in-progress call; and

Serial No. 09/664,479

Art Unit No. 2684

denying eligibility of the request to join an in progress call if privacy had been requested for the in-progress call.

7. (withdrawn) The storage medium of claim 6 where the computer program further includes instruction for the network node device to establish eligibility of the wireless device to request privacy.

8. (withdrawn) The storage medium of claim 6 where the computer program further includes instruction for the network node device, when establishing call privacy made during a call in progress, to drop the connection to other wireless devices connected to the call in progress.

9. (previously presented) The network node device of Claim 1 wherein said unique information comprises a unique identifier and unique service information for each wireless device and wherein said bridge dynamically and selectively bridges signals from a wireless device to one of the telephone wirelines based on the unique identifier of the wireless device and said unique service information.

Serial No. 09/664,479
Art Unit No. 2684

10. (previously presented) The network node device of Claim 9 wherein said unique service information comprises at least one of service access, priority, and privacy information.

11. (previously presented) The network node device of Claim 9 wherein said bridge is adapted to alter the bridging of signals from at least one wireless device to one of the telephone wirelines in response to a change to said unique service information after a wireless connection has already been made.

12. (previously presented) The network node device of Claim 9 wherein said bridge is adapted to deny bridging of a wireless connection to one or more telephone wirelines based on said unique service information.

13. (previously presented) A network node device for dynamically and selectively connecting one or more telephone wirelines to one or more wireless connections, the network node device comprising:

Serial No. 09/664,479

Art Unit No. 2684

one or more connections to one or more telephone wirelines;

one or more wireless signal generators supporting one or more wireless connections to one or more wireless devices;

at least one storage location for storing unique information, comprising at least unique service information, specific to each of a plurality of wireless devices;

a processor for accessing said at least one storage location and for generating call processing signals based on said stored unique information;

an interconnection switch that makes and breaks one or more interconnections between the telephone wirelines and the respective wireless signal generators to connect multiple incoming calls for the same single telephone number arriving on said telephone wirelines to more than one of the plurality of wireless devices sharing the single telephone

Serial No. 09/664,479

Art Unit No. 2684

number in response to said call processing signals generated by said processor; and

a bridge that dynamically bridges signals from multiple wireless connections for outgoing calls from more than one of said plurality of wireless devices sharing the single telephone number to one or more of the telephone wirelines in response to said call processing signals generated by said processor based on stored unique information;

wherein said bridge is adapted to dynamically alter the bridging of at least one wireless device to one of the telephone wirelines and said processor is adapted to dynamically alter the call processing signals in response to a change to said stored unique information after a wireless connection has already been made.

14. (previously presented) A method for a network node device having one or more connections to one or more telephone wirelines and at least one wireless signal generator to dynamically and selectively connect one or more

Serial No. 09/664,479

Art Unit No. 2684

telephone wirelines to one or more wireless connections, comprising the steps of:

storing unique information, comprising at least unique service information, specific to each of a plurality of wireless devices;

accessing said at least one storage location and generating call processing signals based on said stored unique information;

switching to make and break one or more interconnections between the telephone wirelines and the respective wireless signal generators to connect multiple incoming calls for the same single telephone number arriving on said telephone wirelines to more than one of the plurality of wireless devices sharing the single telephone number in response to said call processing signals generated by said processor; and

dynamically bridging signals from multiple wireless connections for outgoing calls from more than one of said

Serial No. 09/664,479

Art Unit No. 2684

plurality of wireless devices sharing the single telephone number to one or more of the telephone wirelines in response to said call processing signals generated by said processor based on stored unique information.

15. (previously presented) A method for a network node device having one or more connections to one or more telephone wirelines and at least one wireless signal generator to dynamically and selectively connect one or more telephone wirelines to one or more wireless connections, comprising the steps of:

storing unique information, comprising at least unique service information, specific to each of a plurality of wireless devices;

accessing said at least one storage location and generating call processing signals based on said stored unique information;

switching to make and break one or more interconnections between the telephone wirelines and the

Serial No. 09/664,479

Art Unit No. 2684

respective wireless signal generators to connect multiple incoming calls for the same single telephone number arriving on said telephone wirelines to one or more of the plurality of wireless devices sharing the single telephone number in response to said call processing signals generated by said processor; and

dynamically bridging signals from multiple wireless connections for outgoing calls from more than one of said plurality of wireless devices sharing the single telephone number to one or more of the telephone wirelines in response to said call processing signals generated by said processor based on stored unique information, and

further comprising at least one of dynamically altering the bridging of at least one wireless device to one of the telephone wirelines and dynamically altering the call processing signals in response to a change to said stored unique information after a wireless connection has already been made.